IN THE CLAIMS

Please amend the claims as follows:

Claims 1-16 (Canceled).

Claim 17 (Currently Amended): A processing apparatus using a recordable

information medium, said medium configured to store a data structure for recording

broadcasted MPEG transport stream information including service information, said MPEG

transport stream information being configured to be recorded on the medium and to be

reproduced from the medium using at least one of a recording apparatus and a reproducing

apparatus, said data structure comprising,

a data area for recording the broadcasted MPEG transport stream information; and

a management area for recording control information for managing the broadcasted

MPEG transport stream information recorded in the data area,

wherein object data to be recorded in the data area includes at least one data unit

which includes a plurality of pairs of time stamp information and transport packets,

said management area is configured to record first management information including

second management information specifying broadcast sources,

said first management information includes size information indicating a length of the

transport packet, and

the recording or reproducing apparatus is configured to record data on or to reproduce

data from the medium according to a combination of a specific broadcast source indicated by

said second management information and a specific transport packet length indicated by the

size information of said first management information,

~~having a data area and a management area providing a data structure for recording~~

~~broadcasted MPEG transport stream information, the data structure stored on said~~

~~information medium including,~~

~~a stream object, formed of the broadcasted MPEG transport stream information,~~

~~including at least one first data unit, at least one second data unit having the at least one first~~

~~data unit, and at least one third data unit having the at least one second data unit, the at least~~

~~one third data unit storing header information relating to the at least one first data unit in the~~

~~at least one third data unit,~~

~~the management area being configured to record first management information~~

~~including second management information specifying broadcast sources,~~

~~wherein said first management information is configured to be variable with respect to~~

~~packet length for each recording, and said second management information is configured to~~

~~include codes, each code specifying a respective one of the broadcast sources,~~

said apparatus comprising:

<u>a first reproducer configured to reproduce said control information from the</u>

<u>management area; and</u>

<u>a second reproducer configured to reproduce said data from the data area</u>

~~a reproducer section configured to reproduce the broadcasted MPEG transport stream~~

~~information from the data area of said information medium; and~~

~~a transfer section configured to transfer data packets in the reproduced broadcasted~~

~~MPEG transport stream information from the reproducer section to a decoder in which a~~

~~content of data packets of the broadcasted MPEG transport stream are decoded.~~

Claim 18 (Canceled).

3

Claim 19 (Currently Amended): An information medium configured to store a data structure for recording broadcasted MPEG transport stream information including service information, said MPEG transport stream information being configured to be recorded on the medium and to be reproduced from the medium using at least one of a recording apparatus and a reproducing apparatus, said data structure comprising:

a̲ data area for recording the broadcasted MPEG transport stream information;

a management area for recording control information for managing the broadcasted MPEG transport stream information recorded in the data area,

wherein object data to be recorded in the data area includes at least one data unit which includes a plurality of pairs of time stamp information and transport packets, ~~and~~

said management area is configured to record first management information including second management information specifying broadcast sources,

~~wherein~~ said first management information <u>includes size information indicating a length of the transport packet</u> ~~is configured to be variable with respect to packet length for each recording, and said second management information is configured to include codes, each code specifying a respective one of the broadcast sources~~, <u>and</u>

~~wherein at least one of~~ the recording or reproducing ~~apparatus' records~~ <u>apparatus is configured to record</u> data <u>on</u> or ~~reproduces~~ <u>to reproduce</u> data from the medium <u>according to a combination of a specific broadcast source indicated by said second management information and a specific transport packet length indicated by the size information of said first management information</u> ~~in accordance with the configuration of the medium~~.

Claim 20 (Currently Amended): A recording method using a recordable information medium<u>, said medium configured to store a data structure for recording broadcasted MPEG transport stream information including service information, said MPEG transport stream</u>

4

information being configured to be recorded on the medium and to be reproduced from the

medium using at least one of a recording apparatus and a reproducing apparatus, said data

structure comprising,

a data area for recording the broadcasted MPEG transport stream information; and

a management area for recording control information for managing the broadcasted

MPEG transport stream information recorded in the data area,

wherein object data to be recorded in the data area includes at least one data unit

which includes a plurality of pairs of time stamp information and transport packets,

said management area is configured to record first management information including

second management information specifying broadcast sources,

said first management information includes size information indicating a length of the

transport packet, and

the recording or reproducing apparatus is configured to record data on or to reproduce

data from the medium according to a combination of a specific broadcast source indicated by

said second management information and a specific transport packet length indicated by the

size information of said first management information,

~~having a data area and a management area providing a data structure for recording~~

~~broadcasted MPEG transport stream information, the data structure stored on said~~

~~information medium including,~~

~~a stream object, formed of the broadcasted MPEG transport stream information,~~

~~including at least one first data unit, at least one second data unit having the at least one first~~

~~data unit, and at least one third data unit having the at least one second data unit, the at least~~

~~one third data unit storing header information relating to the at least one first data unit in the~~

~~at least one third data unit,~~

the management area being configured to record first management information

including second management information specifying broadcast sources,

wherein said first management information is configured to be variable with respect to

packet length for each recording, and said second management information is configured to

include codes, each code specifying a respective one of the broadcast sources,

said method comprising:

recording said data on the data area; and

recording said control information on the management area

formatting the broadcasted MPEG transport stream into a bitstream of data packets for

the broadcasted MPEG transport stream, said data packets corresponding to the at least one

data unit; and

recording the formatted bitstream in the data area of said information medium.

Claim 21 (Canceled).

Claim 22 (Currently Amended): A reproducing method using a recordable

information medium, said medium configured to store a data structure for recording

broadcasted MPEG transport stream information including service information, said MPEG

transport stream information being configured to be recorded on the medium and to be

reproduced from the medium using at least one of a recording apparatus and a reproducing

apparatus, said data structure comprising,

a data area for recording the broadcasted MPEG transport stream information; and

a management area for recording control information for managing the broadcasted

MPEG transport stream information recorded in the data area,

6

wherein object data to be recorded in the data area includes at least one data unit which includes a plurality of pairs of time stamp information and transport packets,

said management area is configured to record first management information including second management information specifying broadcast sources,

said first management information includes size information indicating a length of the transport packet, and

the recording or reproducing apparatus is configured to record data on or to reproduce data from the medium according to a combination of a specific broadcast source indicated by said second management information and a specific transport packet length indicated by the size information of said first management information,

~~having a data area and a management area providing a data structure for recording broadcasted MPEG transport stream information, the data structure stored on said information medium including,~~

~~a stream object, formed of the broadcasted MPEG transport stream information, including at least one first data unit, at least one second data unit having the at least one first data unit, and at least one third data unit having the at least one second data unit, the at least one third data unit storing header information relating to the at least one first data unit in the at least one third data unit,~~

~~the management area being configured to record first management information including second management information specifying broadcast sources,~~

~~wherein said first management information is configured to be variable with respect to packet length for each recording, and said second management information is configured to include codes, each code specifying a respective one of the broadcast sources,~~

said method comprising:

reproducing said control information from the management area; and

reproducing said data from the data area

~~reproducing the broadcasted MPEG transport stream information from the data area~~

~~of said information medium; and~~

~~transferring data packets in the reproduced broadcasted MPEG transport stream~~

~~information to a decoder in which a content of the data packets is decoded~~.

Claim 23 (Canceled).